

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

74574 EP

PUBLICATION NUMBER : 03256713
 PUBLICATION DATE : 15-11-91

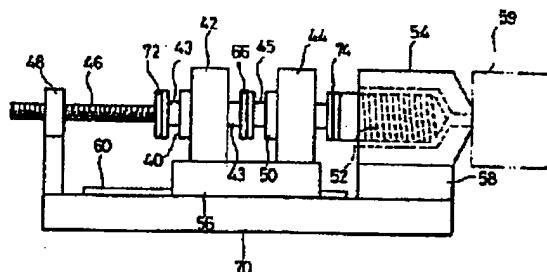
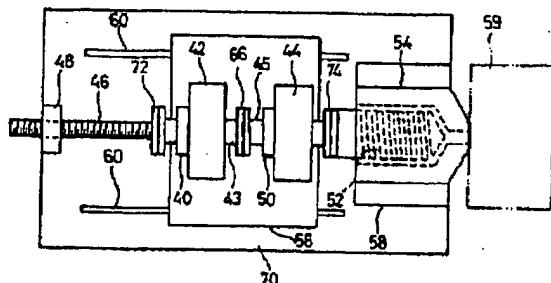
APPLICATION DATE : 07-03-90
 APPLICATION NUMBER : 02057317

APPLICANT : TOSHIBA MACH CO LTD;

INVENTOR : NAKANISHI YOSHINORI;

INT.CL. : B29C 45/03 B29C 45/17

TITLE : INJECTION DRIVING MECHANISM



ABSTRACT : PURPOSE: To improve utilization efficiency of a driving device and to reduce the equipment cost by connecting if necessary a metering and injecting screw with the first driving shaft by means of the first transmitting device, connecting if necessary the first driving shaft with the second driving shaft by means of the second transmitting device and displacing a slide table toward the metering and injecting screw by means of a displacing device.

CONSTITUTION: Motors 42 and 44 for the second and the first driving devices are fixed on a slide table 56. In addition, driving shafts thereof 43 and 45 are connected with each other through a clutch 66 of the second transmitting device and the driving shaft 45 is connected with a metering and injecting screw 52 through a clutch 74 of the first transmitting device and the driving shaft 43 is connected with a ball screw 46 through a coupling 72 and is screwed in a ball nut 48 fixed on a base 70 to make it to be a displacing device for the slide table 56. While metering is performed by means of the first driving device and a transmitting device, a back pressure is applied by means of the second driving device and a displacing device and injection and dwelling are performed by means of the first and the second driving devices and the displacing device.

COPYRIGHT: (C)1991,JPO&Japio